West St. Paul Tree List

							Hard-	- Life				Min.		
	Mature	Crown		Growth			iness	Expec-	Salt	Salt -	Fall	Blvd.	Rec.	
Species	Height	Spread	Form	Rate	Utilities	Sun	Zone	tancy	Spray	Soil	Color	Width	Spacing	Comments
Small														
														Hardy, bright fall colors. Con-
	• • •	• • •				Full -					Yellow -	01	45 001	sidered an invasive plant, but wind
Amur Maple	20 ft.	20 ft.	Vase	Mod.	Compat.	Partial	3	Med.	Mod.	Mod.	Red	3'	15 - 20	disseminated.
														White flowers, but fruitless.
Curing Cuarr														Severely susceptible to apple scab. Low branches may be an issue for
Spring Snow Crab	25 ft.	15 ft.	Oval	Mod.	Compat.	Full	3	Med.	Sens.	Sens.	Yellow	3'	15'	traffic.
Ciau	23 It.	13 11.	Ovai	Mou.	Compat.	Full	3	Med.	Sells.	Sens.	Tellow	3	13	tranic.
Medium														
						Partial								
			Pyramidal			to								
Ironwood	40 ft.	40 ft.	to Round	Slow	Incomp.	Shade	3	Long	Sens.	Sens.	Yellow	3'	25'	Good medium sized tree.
Japanese Tree			Round to		•	Full to								Large, creamy-white flowers in
Lilac	30 ft.	25 ft.	Oval	Mod.	Incomp.	Shade	3	Long	Tol.	Mod.	Green	3'	25'	spring. Dense, green canopy.
Little-leaf														
Linden	40 ft.	35 ft.	Pyramidal	Mod.	Incomp.	Full	3	Med.	Sens.	Sens.	Yellow	3'	40'	
														Susceptible to developing girdling
														roots - requiring extra care when
Greenspire	40.0	20.0	D	M . 1	T	F11	2	M. 1	G	0	37 - 11	3'	201	planting. Branch habit often
Linden	40 ft.	30 ft.	Pyramidal	Mod.	Incomp.	Full	3	Med.	Sens.	?	Yellow	3	30'	developes included bark.
Redmond														Reddish branches in winter.
Linden	40 ft.	30 ft.	Pyramidal	Mod.	Incomp.	Full	4	Med.	Sens.	?	Yellow	3'	30'	Protect young bark from sunscald.
Ellidell	10 10.	30 10.	1 yrunnuur	man.	meomp.	Tun	•	ivica.	Bens.	•	Tenevi			Exfoliating bark, resistant to bronze
						Sun to								birch borer. Does well in moist
River Birch	40 ft.	40 ft.	Oval	Fast	Incomp.	Partial	3	Short	Sens.	Sens.	Yellow	3'	30'	soils. Surface rooting.
Large					-									
						- "								
D 0.1	60.0	50.0	ъ.	G1		Full to		-			T 7 11	41	0.51	Requires little pruning. Fall drop of
Bur Oak	60 ft.	70 ft.	Round	Slow	Incomp.	Partial	2	Long	Mod.	Tol.	Yellow	4'	35'	acorns. Longest living tree in MN.
Swamp White	35-50		Oval-	Med	Income	Full to Partial	1	Mad	Mad		Yellow	4'	30'	May become chlorotic in alkaline soils.
Oak	ft.		Round	Mod.	Incomp.	Partial	4	Med.	Mod.		1 ellow	4	30	SUIIS.

Species	Mature Height	Crown Spread	Form	Growth Rate	Utilities	Sun	Hard- iness Zone	Life Expec- tancy	Salt Spray	Salt - Soil	Fall Color	Min. Blvd. Width	Rec. Spacing	Comments
					_	Full to	_	_	_	_	Yellow-	41	. = 1	Site specific for soil. Not a good
Sugar Maple	60 ft.	50 ft.	Round	Slow	Incomp.	Shade	3	Long	Sens.	Sens	Orange	4'	45'	street tree.
Autumn Blaze Maple	60 ft.	40 ft.	Oval	Fast	Incomp	Full to Partial	4	Med	Mod.	Mod.	Orange	4'	35'	Cross between red and silver maple.
Maple	00 It.	40 It.	Ovai	rast	Incomp.	Partial	4	Short	Mou.	Mou.	Orange	4	35	тпаріє.
						Full to		to			Red to			These do nto seem to do well when
Red Maple	50 ft.	35 ft.	Oval	Mod.	Incomp.	Partial	3	Med.	Sens.	Sens.	Orange	4'	35'	exposed to excessive soil salt.
Norway Maple	50 ft.	70 ft.	Round	Fast to Slow	Incomp.	Full to Shade	4	Short	Tol.	Tol.	Yellow	4'	50'	Considered an invasive species. All Norway Maples susceptible to several diseases. Very dense canopy.
Emerald Queen Norway Maple	50 ft.	50 ft.	Round	Fast	Incomp.	Full to Shade	4	Med.	Tol.	Tol.	Yellow	4'	50'	Staight trunk, good branching pattern.
Columnar Norway Maple	50 ft.	20 ft.	Columnar	Mod.	Incomp.	Full to Shade	4	Med.	Tol.	Tol.	Yellow	4'	20'	Commonly used in boulevard spaces with tight site constraints.
Crimson King Norway Maple	35 ft.	35 ft.	Round	Fast to Slow	Incomp.	Full to Shade	4	Short	Tol.	Tol.	Brown	4'	35'	There are several varieties of these maples with the maroon color during the growing season.
Ginko	50 ft.		Pyramidal	Slow	Incomp.	Full	4	Long	Tol.	Tol.	Yellow	4'	35'	Good disease and insect resistance. Plant male only trees.
Skyline Honeylocust	50 ft.	35 ft.	Round	Fast	Incomp.	Full	4	Med.	Tol.	Tol.	Yellow	4'	35'	Bright, golden fall color, drought tolerant.
Shademaster Honeylocust	60 ft.	40 ft.	Round	Fast	Somewhat	Full	4	Med.	Tol.	Tol.	Yellow	4'	30'	Light textured foliage.
Boulevard	0010.		Tround	1 430	Somewhat	Full to		111001	101.	101.	1 0110 ()	-		
Linden	60 ft.	30 ft.	Oval	Mod.	Incomp.	Shade	3	Med.	Sens.		Yellow	4'	30'	Narrower, shorter Linden.
American				_	_	Full to			_	_		٠.	45.	Keep from developing multiple
Linden	80 ft.	45 ft.	Oval	Fast	Incomp.	Shade Full to	3	Med.	Sens.	Sens.	Yellow	4'	40'	stems.
Hackberry	60 ft.	40 ft.	Oval	Fast	Incomp.	Partial	3	Long	Sens.	Mod.	Yellow	4'	35'	Good boulevard tree.
Northern Catalpa	50 ft.	35 ft.	Oval	Mod.	Incomp.	Full	4	Short	Mod.	Mod.	Yellow	4'	30'	Large seed pod. Attractive flowers.
Accolade Elm	60ft.	50 ft.	Vase	Fast	Incomp.	Full	4	Med.	Mod.	Mod.	Yellow	4'	50'	Rapid growth. Appears similar to the American Elm
New Horizon Elm	60ft.	40 ft.	Oval	Fast	Incomp.	Full	4	Med.	Mod.	Mod.	Yellow	4'	40'	Adaptable to a wide range of soils.

Species		Crown Spread	Form	Growth Rate	Utilities	Sun	Zone	-	Salt Spray	Salt - Soil	Fall Color	Min. Blvd. Width	Rec. Spacing	Comments
						Full to								Unusual fall color. Hardy to -30 to -
Jacan Elm	50 ft.	40 ft.	Round	Mod.	Incomp.	Partial	3	Long	Mod.	Mod.	Maroon	4'		40.
						Full to								Strong central leader. Disease
Regal Elm	50 ft.	40 ft.	Oval	Fast	Incomp.	Partial	3	Med.	Mod.	Mod.	Yellow	4'	35'	resistant.
						Full to								
Cathedaral Elm	60 ft.	40 ft.	Vase	Mod.	Incomp.	Partial	3	Med.	Mod.	Mod.	Yellow	4'	35'	Highly disease resistant.

Species = Small (Under 30' as a mature height), Medium (30' - 50'), Large (50' +).

Mature Height = These vary with climate zones. The ones listed attempt to reflect this zone. Species = Small (Under 30' as a mature height), Medium (30' - 50'), Large (50' +).

Crown Spread = Roughly the mature diameter of the branch reach.

Form = See diagram below.

Growth Rate = Relative to the growth of other trees.

Utilities = Compatability with over-head utility lines. Most lines must maintain a clearance of 13 feet, so trees with mature heights of over 25 feet are typically considered incompatable.

Sun = This refers to shade tolerance or best growth conditions in terms of sunlight.

Hardiness Zone = USDA Climatic Plant Hardiness Zone. Twin Cities is considered Zone 4 or borderline Zone 3

Life Expectancy = Since the extremly adverse conditions that street trees are subjected to can greatly shorten the life of any tree, this characteristic is more reflective of natural conditions. Short = Under 100 years; Medium = 100 to 250 and Long = 250 +.

Salt Spray = The tree's tolerance to road salt spray on the foliage and branch tissues. Sensitive, Moderately Tolerant, or Tolerant.

Salt Soil = The tree's tolerance to road salt in the soil. Sensitive, Moderately Tolerant, or Tolerant.

Fall Color = Obvious

Minimum Boulevard Width = This is only a recommendation to consider the growing space needed for the stem and root flare. It does not count for soil space requirements of the tree or for the possible disruption area caused by surfacing roots.

Recommended Spacing = Only a recommendation to allow for full display of the trees' crowns. This is not reqired for proper placement in the boulevard setting.

August 6, 2008

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